



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Mitsuasa TAKAHASHI

Title:

METHOD FOR

MANUFACTURING THIN FILM

TRANSISTOR

Appl. No.:

10/617,170

Filing Date: 07/11/2003

Examiner:

I.U. Anya

Art Unit:

2825

AMENDMENT TRANSMITTAL

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Transmitted herewith is an amendment in the above-identified application.

- Small Entity status under 37 C.F.R. § 1.9 and § 1.27 has been established by a previous assertion of Small Entity status.
- Assertion of Small Entity status is enclosed.
- The fee required for additional claims is calculated below: [X]

	Claims As Amended		Previously Paid For		Extra Claims Present		Rate		Additional Claims Fee
Total Claims:	6	-	20	=	0	X	\$18.00	=	\$0.00
Independent Claims:	1	-	3	=	0	x	\$86.00	=	\$0.00
First p	resentation	of ar	ny Multiple Γ	Deper	ndent Claims:	+	\$290.00	=	\$0.00
					CLAIMS	FEI	E TOTAL	=	\$0.00

[] Applicant hereby petitions for an extension of time under 37 C.F.R. §1.136(a) for the total number of months checked below:

[] Extension for response filed within the first month:	\$110.00	\$0.00	
[] Extension for response filed within the second month:	\$420.00	\$0.00	
[] Extension for response filed within the third month:	\$950.00	\$0.00	
[] Extension for response filed within the fourth month:	\$1,480.00	\$0.00	
[] Extension for response filed within the fifth month:	\$2,010.00	\$0.00	
	EXTENSION FEE TOTAL:			
[] Statutory	Statutory Disclaimer Fee under 37 C.F.R. 1.20(d):	\$110.00	\$0.00	
	CLAIMS, EXTENSION AND DISCLAIMER	FEE TOTAL:	\$0.00	
[] Small Entity Fees Apply (subtract	t ½ of above):	\$0.00	
		TOTAL FEE:	\$0.00	

- [] Please charge Deposit Account No. 19-0741 in the amount of \$0.00. A duplicate copy of this transmittal is enclosed.
- [] A check in the amount of \$0.00 is enclosed.
- [X] The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741. If any extensions of time are needed for timely acceptance of papers submitted herewith, applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

By Randel Colorle 30, 489

Date 3 June 2004

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David A. Blumenthal
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Registration No. 26,257



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July 11, 2003

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I. U. Anya

Art Unit:

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CERTIFICATE OF MAILING

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Commissioner:

I hereby certify that the following paper(s) and/or fee along with any attachments referred to or identified as being attached or enclosed are being deposited with the United States Postal Service as First Class Mail under 37 C.F.R. § 1.8(a) on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450.

- 1. Amendment and Reply Under 37 CFR 1.111
- 2. Amendment Transmittal
- 3. Postcard

Respectfully submitted,

Date

FOR David A. Blumenthal

Reg. No. 26,257

Foley & Lardner LLP Customer Number: 22428 Telephone: (202) 672-5407 Facsimile: (202) 672-5399



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AMENDMENT AND REPLY UNDER 37 CFR 1.111

Mail Stop NON-FEE AMENDMENT Commissioner for Patents PO Box 1450 Alexandria, Virginia 22313-1450

Sir:

This communication is responsive to the Non-Final Office Action dated March 4, 2004, concerning the above-referenced patent application.

Please amend the application as follows:

In the Written Description:

Page 7, paragraph beginning at line 4, amend as follows:

An underlying oxide film 2 made of SiO₂ and having a thickness of about 300 nm is formed over a glass substrate 1 and an amorphous silicon film 3 is formed on the underlying oxide film 3 film 2 by LP-CVD or PE-CVD to have a thickness of about 60 nm. The amorphous silicon film 3 formed by PE-CVD is subjected to evacuation of hydrogen to allow the amorphous silicon film 3 to contain hydrogen not greater than 1 weight percent. Subsequently, a protection oxide film 4 of SiO₂ is formed on the amorphous silicon film 3 to have a thickness of about 50 nm and boron ions are implanted into the entire amorphous silicon film 3 at an energy of 50 keV and a dose of 7E12/cm² (FIG. 1A).

Page 8, paragraph beginning at line 12, amend as follows: